

AMENDMENTS TO THE CLAIMS

The following claim listing is to replace all previous claim listings. Amendments to the claims are illustrated through strikethrough (for deleted matter) and underlining (for added matter).

CLAIM LISTING

Claims 1-3 (Cancelled).

4. (currently amended): ~~The apparatus as recited in Claim 3, An apparatus comprising:~~

user mode logic;

kernel mode logic; and

kernel mode to user mode interface logic;

is configured to receive at least one data packet over a shared communication port and selectively distribute said data packet to either said user mode logic or said kernel mode logic;

includes bridge logic configured to:

individually determine if said received data packet is a user mode data packet that is to be selectively distributed to said user mode logic or a kernel mode data packet to be selectively distributed to said kernel mode logic; and

store a plurality of user mode data packets in memory operatively coupled to said bridge logic wherein said bridge

1 logic is configured to store said plurality of user mode data
2 packets in said memory in a queued buffer configuration.

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4 Claims 4-20 (Cancelled).

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6 21. (currently amended): The method as recited in Claim 20, A method
7 comprising:

8 providing at least one processing unit to selectively run user mode
9 logic and kernel mode logic;

10 receiving at least one data packet through a shared communication
11 port; and

12 while said processing unit is running said kernel mode logic,
13 selectively handling said data packet for use with either said user mode
14 logic or said kernel mode logic includes:

15 determining if said received data packet is a user mode data packet
16 for use by said user mode logic or a kernel mode data packet for use by said
17 kernel mode logic; and

18 storing received data packets determined to be user mode data
19 packets in memory, wherein storing received data packets determined to be
20 user mode data packets in memory further includes storing a plurality of
21 such user mode data packets in said memory in a queued buffer
22 configuration.

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24 Claims 22-31 (Cancelled).

1 32. (currently amended): ~~The computer readable media as recited in~~
2 Claim 31, A computer readable media having computer instructions for
3 performing acts comprising:

4 selectively running at least one processing unit using either user
5 mode logic or kernel mode logic;

6 receiving at least one data packet through a shared communication
7 port; and

8 while running said kernel mode logic, selectively handling said data packet
9 for use with either said user mode logic or said kernel mode logic, wherein
10 selectively handling said data packet for use with either said user mode
11 logic or said kernel mode logic further includes:

12 determining if said received data packet is a user mode data
13 packet for use by said user mode logic or a kernel mode data packet
14 for use by said kernel mode logic; and

15 storing received data packets determined to be user mode data
16 packets in memory, wherein storing received data packets
17 determined to be user mode data packets in memory further includes
18 storing a plurality of such user mode data packets in said memory in
19 a queued buffer configuration.

21 Claims 33-40 (cancelled).